

Fig. 1

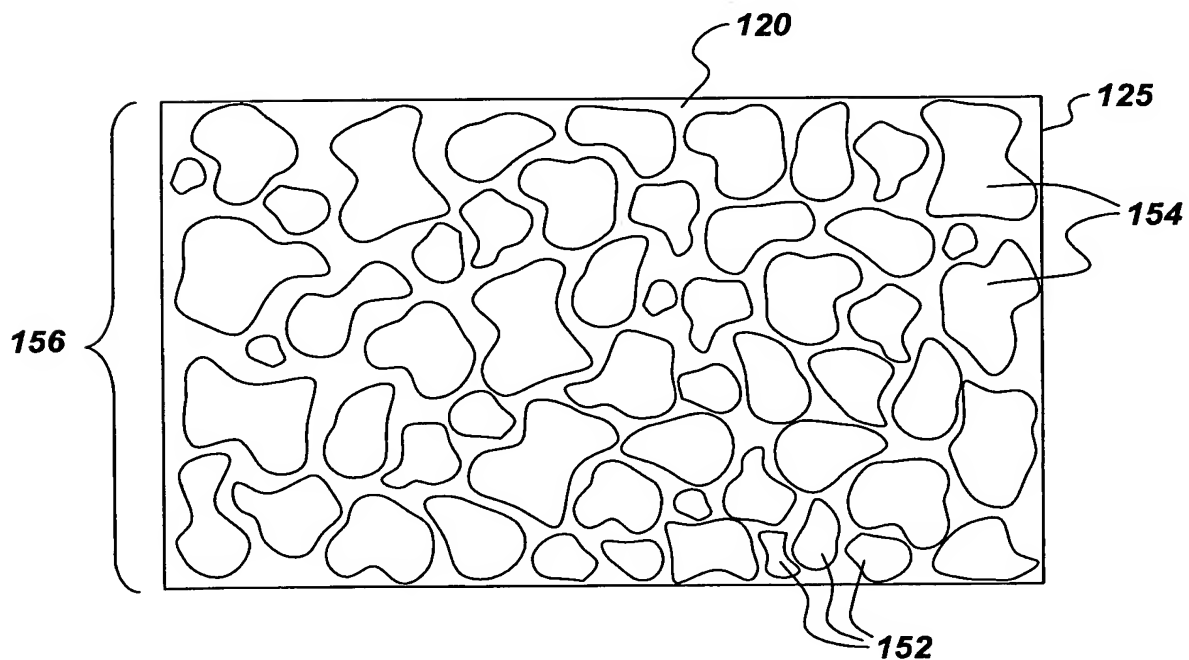


Fig. 2

Fig. 3

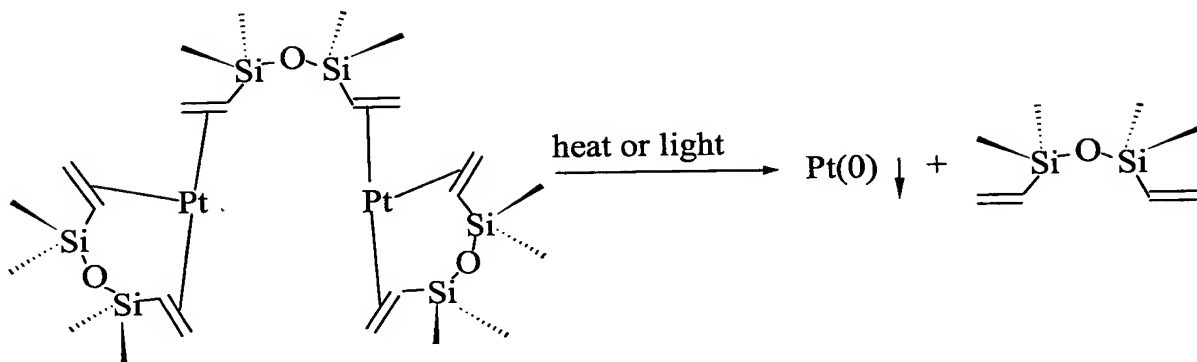
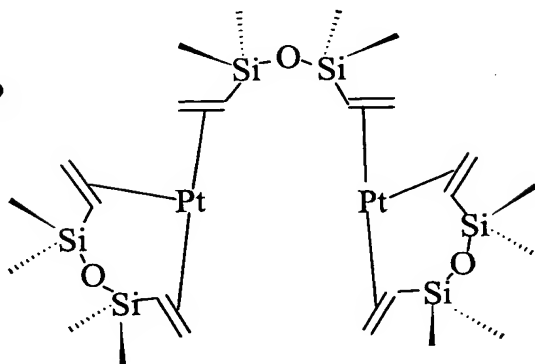


Fig. 4

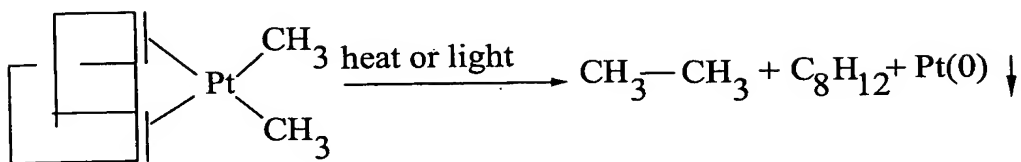
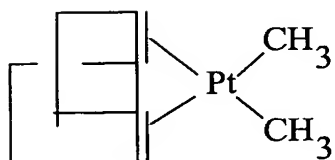


Fig. 5

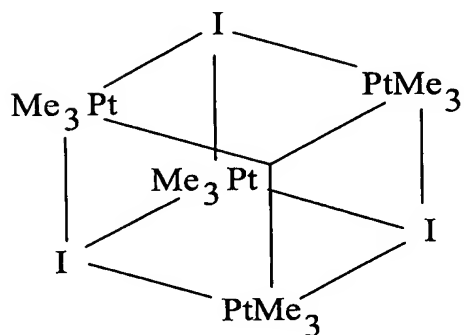
Ser.No.:
 Inventor(s): L.N. Lewis et al.
 Docket No.: 132913
 Attorney: R. Santandrea
 Telephone: (518) 387-6304



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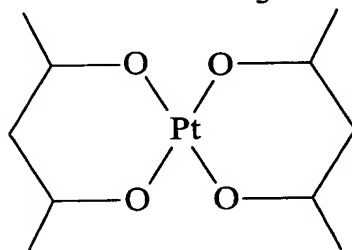
CODPtMe₂

("CPM")



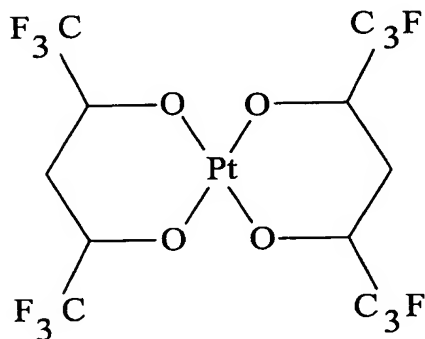
[IPtMe₃]₄

("IPM₄")



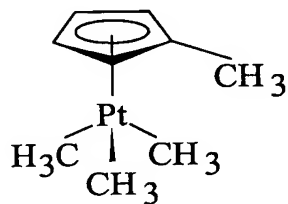
Pt(acac)₂

("Ptacac")



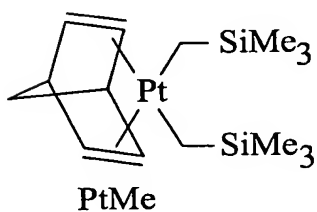
Pt(HFacac)₂

("PtHFacac")



MeCpPtMe₃

("MCPtMe₃")



NBDPt(CH₂SiMe₃)₂

("NBDPtSi₂")

Fig. 6

Fig. 7

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Sample	Pt source	Concentration (mgPt/mL)	Spin speed (rpm)	Dep temp	Substrate	CPD(V)
Pt foil	Foil					~-0.3
124-4	CVD				Glass	-0.291
124-3	H ₂ PtCl ₆			>400	SnO (from PV cell)	-0.457
110-1a	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.828
110-1b	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.826
110-1c	Karstedt	1% Pt/HMDZ	1000	150	SnO	-0.794
110-2	Karstedt	1% Pt/HMDZ	200	150	SnO	-0.842
110-3	Karstedt	2.5% Pt/HMDZ	1000	150	SnO	-0.829
110-4	Karstedt	2.5% Pt/HMDZ	200	150	SnO	
110-5	CPM	5.8	1000	150	SnO	-0.578
110-6	CPM	5.8	200	150	SnO	-0.603
110-7	CPM	14.5	1000	150	SnO	-0.488
110-8	CPM	14.5	200	150	SnO	-0.600
121-2a	CPM	14.5	1000	150	ITO/Lexan	-0.632
121-2b	CPM	14.5	1000	150	ITO/Lexan	-0.515
121-5	CPM	14.5	1000	UV/O ₃ *	ITO/Lexan	-0.509
122-1a	CPM	14.5	1000	100	ITO/Lexan	-0.483
122-1b	CPM	14.5	1000	100	ITO/Lexan	-0.575
122-2a	CPM	14.5	1000	100	SnO/glass	-0.605
122-2b	CPM	14.5	1000	100	SnO/glass	-0.651
124-1	CPM	14.5	Draw down bar	150	SnO/glass	-0.484
121-6	IPM4	14.5	1000	150	SnO/glass	-0.478
122-3	IPM4	14.5	1000	100	SnO/glass	-0.649
121-8	Ptacac	14.5	1000	150	SnO/glass	-0.747
122-4	Ptacac	14.5	1000	100	SnO/glass	-0.528
121-10	Ptacac	14.5	1000	UV/O ₃ *	SnO/glass	-0.716
121-12	PtHFacac	14.5	1000	UV/O ₃ *	SnO/glass	-0.685
122-5	PtHFacac	14.5	1000	100	SnO/glass	-0.743
121-13	MCPTMe ₃	14.5	1000	150	SnO/glass	-0.587
121-15	MCPTMe ₃	14.5	1000	UV/O ₃ *	SnO/glass	-0.784
122-6	MCPTMe ₃	14.5	1000	100	SnO/glass	-0.634
121-16	NBDPTSi ₂	14.5	1000	150	SnO/glass	-0.730
121-18	NBDPTSi ₂	14.5	1000	UV/O ₃ *	SnO/glass	-0.682
122-7	NBDPTSi ₂	14.5	1000	100	SnO/glass	-0.591

*Decomposition under ultraviolet light in presence of ozone
performed at room temperature

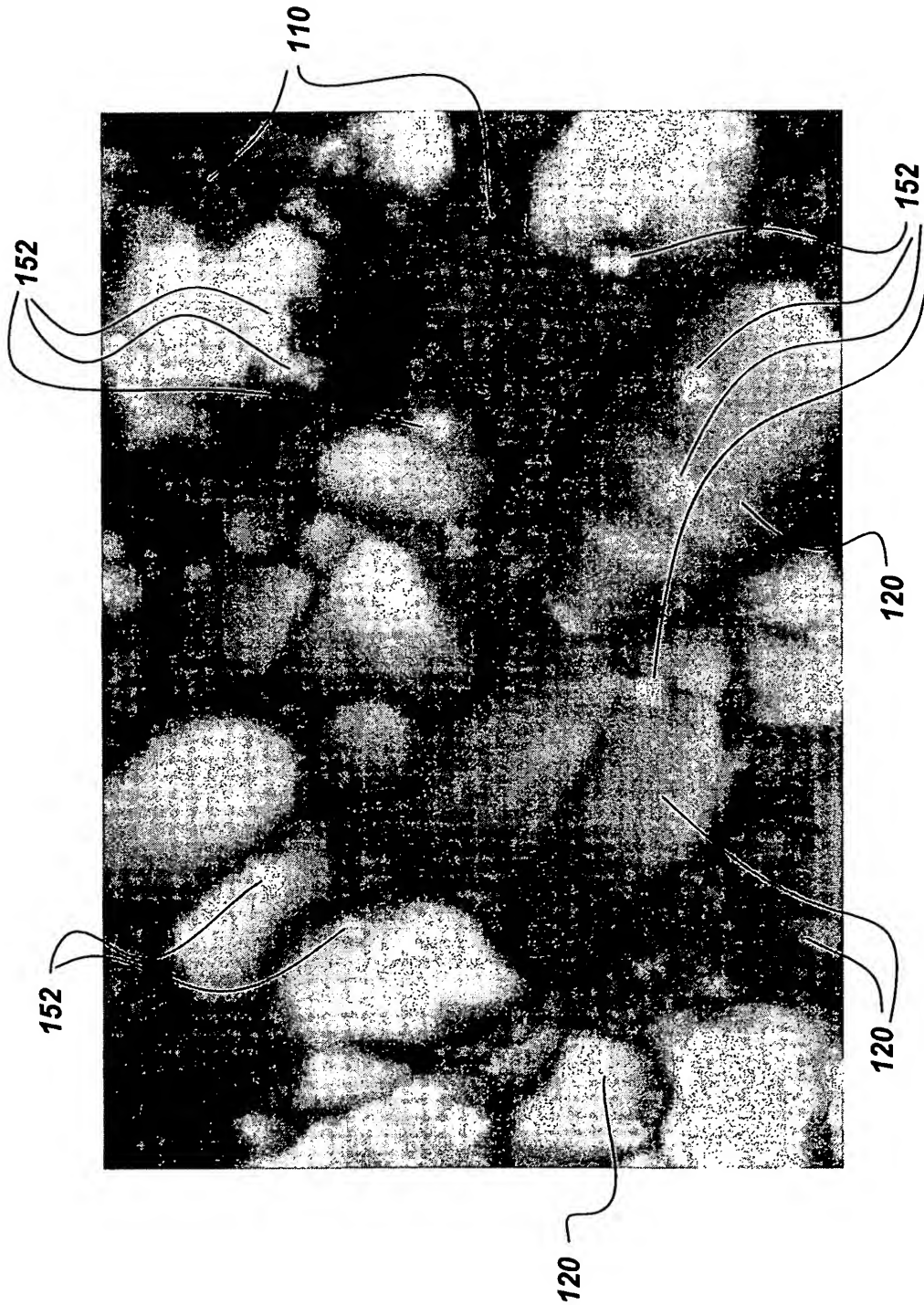


Fig. 8

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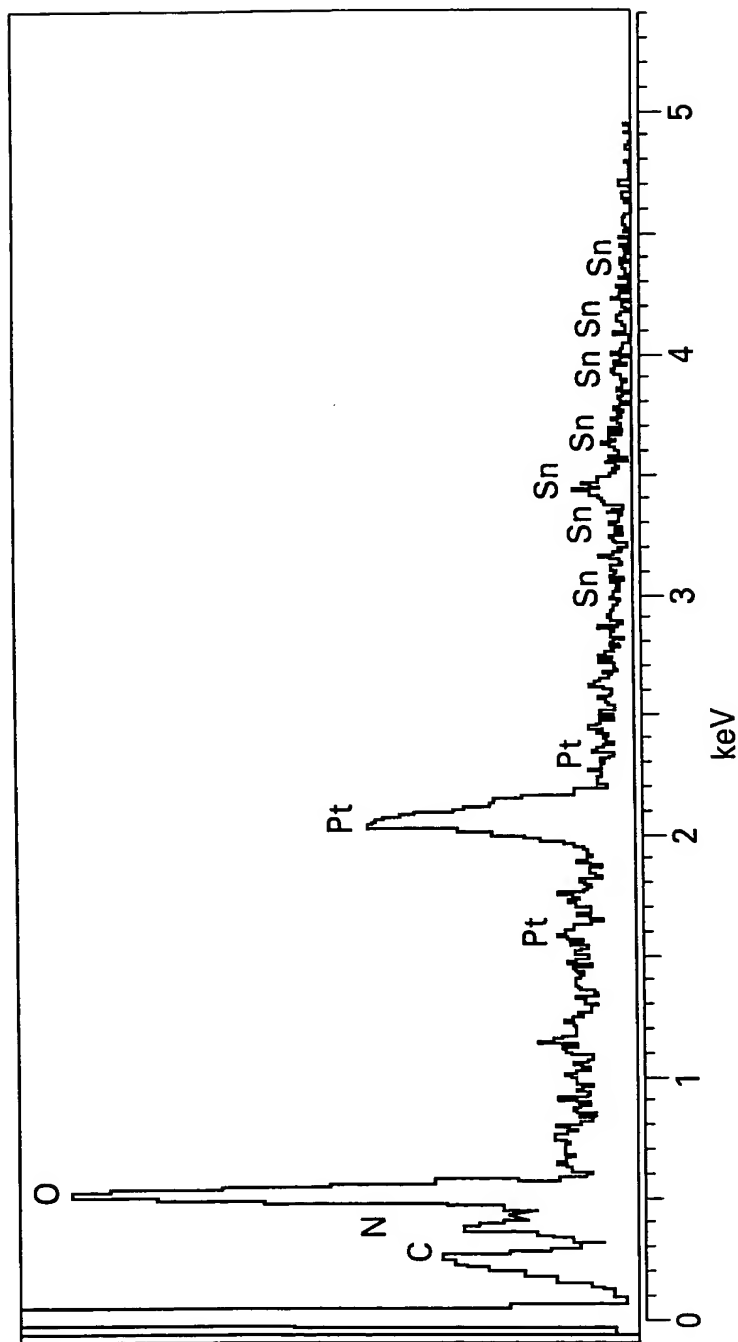


Fig. 9